

## US Government Agency

### Business Scenario:

Automate and web enable environmental project management and tracking through Status Tool for the Environmental Program (STEP). The client wanted a web-based application that can support the environmental projects review process real-time and thereby increase the visibility of monitoring environmental projects.

### The client wanted a system that has the following features:

<ul style="list-style-type: none"><li>▶ Easy to Maintain.</li><li>▶ Scalable and powerful.</li><li>▶ Enhanced ability to handle the demanding feature list from their end users.</li><li>▶ Easier to integrate/implement with existing systems.</li></ul>	<ul style="list-style-type: none"><li>▶ Extensible to other US Government agencies with relative ease.</li><li>▶ NET Compatible for enhanced features.</li><li>▶ Abstraction layer for Graphical User Interface.</li></ul>
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### iLink Contribution:

<ul style="list-style-type: none"><li>▶ Entire IT development has been outsourced to iLink.</li><li>▶ iLink has designed generic products customizable for any Client in Environmental Audit domain eg. EATS</li></ul>	<ul style="list-style-type: none"><li>▶ Designed and implemented Services Layer and Business Process Integration for Client.</li><li>▶ Automated Image recognition and verification.</li></ul>
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<p>(Environmental Audit and Tracking Systems).</p> <ul style="list-style-type: none"> <li>➤ Redesigned and extended Funding System, Field Audit Tool, Mobile Audit Tool, Inventory System, Waste Management System, Compliance Corrective Action Project System etc.</li> </ul>	<ul style="list-style-type: none"> <li>➤ iLink's greatest contribution has been improving usability, maintainability, reliability and Extensibility.</li> </ul>
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**iLink Solution:**

iLink partnered with Plateau developed STEP, a real time project management tool for the some of the US Government Agencies. STEP was developed to validate, track and manage environmental requirements and funding in the budget and execution years. The audit features enables them to maintain visibility of the planning and execution of the environmental funds. The application was built using the .NET framework with an easy to use interface to support a large number of users.

**Business Value:**

<ul style="list-style-type: none"> <li>➤ Reduced redundant data entry resulting in minimized data errors.</li> <li>➤ Reduced Development Cost.</li> <li>➤ Reduced maintenance cost and increased maintainabil ity, as the data is stored centrally in the server.</li> </ul>	<ul style="list-style-type: none"> <li>➤ 24X7 access from any web connected PC.</li> <li>➤ Better organization of information resulting in increased productivity.</li> <li>➤ Easy to integrate with other enterprise applications.</li> </ul>
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## Technology Used:

### STEP was developed using three tier architecture

<ul style="list-style-type: none"><li>➤ Easily navigable user interface (UI), business logic layer and data access layer for connecting to the database.</li><li>➤ User Interface tier: Static HTML and ASP .NET pages.</li><li>➤ Middle Tier Design: Code behind pages coded in C#.</li></ul>	<ul style="list-style-type: none"><li>➤ Data Tier Design: Microsoft .NET Application Blocks, Stored procedures, Views and Tables on MS SQL Server 2005.</li><li>➤ Framework: Microsoft .NET Framework 2.0.</li><li>➤ Reports: MS SQL Server Reporting Services 2005.</li></ul>
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